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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Re application of:** McNames et al.

**Application No.** 10/553,814

**Filed:** October 18, 2005

**Confirmation No.** Not yet assigned

**For:** MICROELECTRODE RECORDING  
ANALYSIS AND VISUALIZATION FOR  
IMPROVED TARGET LOCALIZATION

**Examiner:** Not yet assigned

**Art Unit:** Not yet assigned

**Attorney Reference No.** 899-68308-02

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney or Agent  
for Applicant(s)

*[Signature]*

Date Mailed February 9, 2006

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PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

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Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Copies of United States patents and United States published patent applications do not have to be provided to the Patent Office (37 C.F.R. 1.98(a)(2)(ii)). Copies of unpublished U.S. applications do not have to be provided, as long as the application is available on PAIR, as this requirement of 37 C.F.R. § 1.98(a)(2)(iii) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on October 19, 2004 (1287 OG 163). Applicants will provide copies of such patents or applications upon request.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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By



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Docketing

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	899-68308-02
	Application Number	10/553,814
	Filing Date	October 18, 2005
	First Named Inventor	McNames
	Art Unit	Not yet assigned
	Examiner Name	Not yet assigned

### U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		5,314,495	5/1994	Kovacs
		6,128,527	10/2000	Howard, III et al.
		6,330,466	12/2001	Hoffman et al.
		6,516,246	2/2003	Derakhshan

### FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee

### OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
		Santiago et al., "Automatic Target Localization Using Microelectrode Recordings," IEEE Second Joint EMBS/BMES Conference, pp. 23-26 Houston, Texas (October 2002).
		Falkenburg et al., "2003 Quadrennial Meeting," American Society for Stereotactic and Functional Neurosurgery," American Society for Stereotactic and Functional Neurosurgery," May 18-21, 2003.
		Santiago et al., "Developments in understanding neuronal spike trains and functional specializations in brain regions," Neural Networks, 16:601-607 (2003).
		Goldmann et al., "Etiology of Parkinson's Disease," Parkinson's Disease and Movement Disorders, pp. 133-175 (1998).

EXAMINER  
SIGNATURE:

DATE  
CONSIDERED:

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Favre et al., "Computer analysis of the tonic, phasic, and kinesthetic activity of pallidal discharges in Parkinson patients," Surg. Neurol, <b>51</b> :665-673 (1999).		
		Starr et al., "Ablative surgery and deep brain stimulation for Parkinson's disease," Neurosurgery, <b>43</b> :5 (1998).		
		Sterio et al., "Neurophysiological refinement of subthalamic nucleus targeting," Neurosurgery, <b>50</b> :58-67 (2002).		
		Starr et al., "Ablative surgery and deep brain stimulation for Parkinson's disease," Neurosurgery, <b>43</b> :989-1013 (1998).		
		Guridi et al., "Stereotactic targeting of the globus pallidus internus in Parkinson's disease: imaging versus electrophysiological mapping," Neurosurgery, <b>45</b> :278-287 (1999).		
		Zonenshayn et al., "Comparison of anatomic and neurophysiological methods for subthalamic nucleus targeting," Neurosurgery, <b>47</b> :282-292 (2000).		
		Hutchison et al., "Neurophysiological identification of the subthalamic nucleus in surgery for Parkinson's disease," Annals of Neurology, <b>44</b> :622-628 (1998).		

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